

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Hopt et al.) Examiner
Serial No.:	Unknown) Unknown
Filed:	Unknown)
For:	CARD READER)

January 31, 2002

PRELIMINARY AMENDMENT

Assistant Comm for Patents
Washington, D.C. 20231

Dear Sir:

IN THE SPECIFICATION

Please replace the second paragraph on page 3 with the following rewritten paragraphs:

Figs. 2a-2c schematically show different positions of the card stop of the inventive card reader when the card has not yet been inserted (Fig. 2a), when the card has been inserted partly (Fig. 2b) and when the card has been completely inserted (Fig. 2c); and

Please replace the third paragraph on page 3 with the following rewritten paragraph:

Figs. 3a-3c schematically show different positions of the card stop of the inventive card reader when the card has not yet been inserted (Fig. 3a), when the card has been inserted partly (Fig. 3b) and when the card has been almost

completely inserted (Fig. 3c), if a card of half the size has been previously inserted.

IN THE CLAIMS

Please cancel claims 1-20 and add new claims 21-40 as follows:

21. Card stop apparatus for a card reader, said card stop apparatus comprising:

a card stop disposed in a path of a card inserted into said card reader, said card stop being rotatable out of the card path about an axis of rotation extending transverse to the card path; and

an arm, rotatably coupled to said card stop, said arm being deflectable about an axis of rotation extending transverse to the card path, and behind said card stop in a card inserting direction, said arm being pretensioned into a pivoting position engaging the card path.

22. Card stop apparatus according to claim 21 wherein the deflectable arm is formed by a first arm of a two-armed lever with a second arm of the lever being rotatably coupled to a said card stop.

23. Card stop apparatus according to claim 22 wherein the second arm is hinged to said card stop at a radial distance from the arm axis of rotation.

24. Card stop apparatus according to claim 21 wherein said card stop is formed as a bolt having a recess disposed in the card path.

25. Card stop apparatus according to claim 24 wherein said bolt is generally round and the recess comprises a circle segment.

26. Card stop apparatus according to claim 21 wherein the deflectable arm includes a slope portion extending into the card path at an angle to the card path.

27. Card stop apparatus according to claim 21 wherein a nose of the deflectable arm engages the card path.

28. Card stop apparatus according to claim 21 wherein said card stop comprises a separating edge on a side pivoting into the card path.

29. Card stop apparatus according to claim 21 further comprising a tension spring for pretensioning the arm, the spring being interconnected between the arm and a card reader housing.

30. Card stop apparatus according to claim 21 wherein the deflectable arm is formed by a first arm of a two-armed lever with a second arm of the lever being rotatably coupled to said card stop, the second arm is hinged to said card stop at a radial distance from the arm axis of rotation, said stop is formed or a bolt having a recess disposed in the card path, said bolt is generally round and the recess comprise a circle segment, the deflectable arm includes a slope pattern extending into the card path at an angle to the card path, a nose of the deflectable arm engages the card path, the card stop comprises a separating edge on a side pivoting in the card path and a tension

spring pretensions the arm, the spring being interconnected below the arm and a card reader housing.

31. Card stop apparatus for a card reader said card stop apparatus comprising:

a card stop disposed in a path of a card inserted into said card reader, said card stop being rotatable out of the card path about an axis of rotation extending transverse to the card path;

an arm rotatably coupled to said card stop about an axis of rotation extending transverse to the card path and disposed behind the card stop in a card inserting direction, wherein, when the card has not yet been inserted into the card reader, the arm and the card stop engage in the card path and wherein insertion of a card pivots the arm out of the card path against the effect of a restoring force thereby rotating the card stop out of the card path.

32. Card stop apparatus according to claim 31 wherein the deflectable arm is formed by a first arm of a two-armed lever with a second arm of the lever being rotatably coupled to said card stop.

33. Card stop apparatus according to claim 32 wherein the second arm is hinged to a said card stop at a radial distance from the arm axis of rotation.

34. Card stop apparatus according to claim 31 wherein said card stop is formed as a bolt having a recess disposed in the card path.

35. Card stop apparatus according to claim 34 wherein said bolt is generally round and the recess comprises a circle segment.

36. Card stop apparatus according to claim 31 where the deflectable arm includes a slope portion extending into the card path at an angle to the card path.

37. Card stop apparatus according to claim 31 wherein a nose of the deflectable arm engages the card path.

38. Card stop apparatus according to claim 31 wherein said card stop comprises a separating edge on a side pivoting into the card path.

39. Card stop apparatus according to claim 31 further comprises a tension spring for pretensioning the arm, the spring being interconnected between the arm and a card reader housing.

40. Card stop apparatus according to claim 31 wherein the deflectable arm is formed by a first arm of a two armed lever with a second arm of the lever being rotatably coupled to said card stop, the second arm is hinged to said card stop at a radial distance from the arm axis of rotation, said stop is formed as a bolt having a recess disposed in the card path, said bolt is generally round and the recess comprises a circle segment, the deflectable arm includes a slope portion extending into the card path at an angle to the card path, a nose of the deflectable arm engages the card path, the card stop comprises a separation edge on a side pivoting in the card path and a tension

spring pretensions the arm, the spring being interconnected between the arm and a card reader housing.

REMARKS

The present amendment to the claim is made to conform the application to USPTO format. No new matter has been added.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,



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Version With Markings To Show Changes Made

The second paragraph on Page 3 has been amended as follows:

~~Fig. 2~~ Figs. 2a-2c schematically ~~shows~~ show different positions of the card stop of the inventive card reader when the card has not yet been inserted (Fig. 2a), when the card has been inserted partly (Fig. 2b) and when the card has been completely inserted (Fig. 2c); and

The third paragraph on Page 3 has been amended as follows:

~~Fig. 3~~ Figs. 3a-3c schematically ~~shows~~ show different positions of the card stop of the inventive card reader when the card has not yet been inserted (Fig. 3a), when the card has been inserted partly (Fig. 3b) and when the card has been almost completely inserted (Fig. 3c), if a card of half the size has been previously inserted.

In The Claims

Claims 1-20 have been canceled claims 21-40 have been added as follows:

21. Card stop apparatus for a card reader, said card stop apparatus comprising:

a card stop disposed in a path of a card inserted into said card reader, said card stop being rotatable out of the card path about an axis of rotation extending transverse to the card path; and

an arm, rotatably coupled to said card stop, said arm being deflectable about an axis of rotation extending transverse to the card path, and behind said card stop in a card inserting direction, said arm being pretensioned into a pivoting position engaging the card path.

22. Card stop apparatus according to claim 21 wherein to deflectable arm is formed by a first arm of a two-armed lever with a second arm of the lever being rotatably coupled to a said card stop.

23. Card stop apparatus according to claim 22 wherein the second arm is hinged to said card stop at a radial distance from the arm axis of rotation.

24. Card stop apparatus according to claim 21 wherein said card stop is formed as a bolt having a recess disposed in the card path.

25. Card stop apparatus according to claim 24 wherein said bolt is generally round and the recess comprises a circle segment.

26. Card stop apparatus according to claim 21 wherein the deflectable arm includes a slope portion extending into the card path at an angle to the card path.

27. Card stop apparatus according to claim 21 wherein a nose of the deflectable arm engages the card path.

28. Card stop apparatus according to claim 21 wherein said card stop comprises a separating edge on a side pivoting into the card path.

29. Card stop apparatus according to claim 21 further comprising a tension spring for pretensioning the arm, the spring being interconnected between the arm and a card reader housing.

30. Card stop apparatus according to claim 21 wherein the deflectable arm is formed by a first arm of a two-armed lever with a second arm of the lever being rotatably coupled to said card stop, the second arm is hinged to said card stop at a radial distance from the arm axis of rotation, said stop is formed or a bolt having a recess disposed in the card path, said bolt is generally round and the recess comprise a circle segment, the deflectable arm includes a slope pattern extending into the card path at an angle to the card path, a nose of the deflectable arm engages the card path, the card stop comprises a separating edge on a side pivoting in the card path and a tension spring pretensions the arm, the spring being interconnected below the arm and a card reader housing.

31. Card stop apparatus for a card reader said card stop apparatus comprising:

a card stop disposed in a path of a card inserted into said card reader, said card stop being rotatable out of the card path about an axis of rotation extending transverse to the card path;

an arm rotatably coupled to said card stop about an axis of rotation extending transverse to the card path and disposed behind the card stop in a card inserting direction, wherein, when the card has not yet been inserted into the card reader, the arm and the card stop engage in the card path and wherein insertion of a card pivots the

arm out of the card path against the effect of a restoring force thereby rotating the card stop out of the card path.

32. Card stop apparatus according to claim 31 wherein the deflectable arm is formed by a first arm of a two-armed lever with a second arm of the lever being rotatably coupled to said card stop.

33. Card stop apparatus according to claim 32 wherein the second arm is hinged to a said card stop at a radial distance from the arm axis of rotation.

34. Card stop apparatus according to claim 31 wherein said card stop is formed as a bolt having a recess disposed in the card path.

35. Card stop apparatus according to claim 34 wherein said bolt is generally round and the recess comprises a circle segment.

36. Card stop apparatus according to claim 31 where the deflectable arm includes a slope portion extending into the card path at an angle to the card path.

37. Card stop apparatus according to claim 31 wherein a nose of the deflectable arm engages the card path.

38. Card stop apparatus according to claim 31 wherein said card stop comprises a separating edge on a side pivoting into the card path.

39. Card stop apparatus according to claim 31 further comprises a tension spring for pretensioning the arm, the

spring being interconnected between the arm and a card reader housing.

40. Card stop apparatus according to claim 31 wherein the deflectable arm is formed by a first arm of a two armed lever with a second arm of the lever being rotatably coupled to said card stop, the second arm is hinged to said card stop at a radial distance from the arm axis of rotation, said stop is formed as a bolt having a recess disposed in the card path, said bolt is generally round and the recess comprises a circle segment, the deflectable arm includes a slope portion extending into the card path at an angle to the card path, a nose of the deflectable arm engages the card path, the card stop comprises a separation edge on a side pivoting in the card path and a tension spring pretensions the arm, the spring being interconnected between the arm and a card reader housing.